

[METHOD AND SYSTEM FOR SPATIALLY VARIABLE RATE APPLICATION OF AGRICULTURAL CHEMICALS BASED ON REMOTELY SENSED VEGETATION DATA]

Abstract

Remotely sensed spectral image data are used to develop a Vegetation Index file which represents spatial variations of actual crop vigor throughout an area that is under cultivation. The latter information is processed to place it in a format that can be used by personnel to correlate and calibrate it with actually observed crop conditions existing at control points within the area. Based on the results, personnel formulate a prescription request, which is forwarded to a central processing site, where the prescription is prepared. The latter is returned to a mobile application means that directly applies inputs to the field at a spatially variable rate.